

Sequence alignment of TGFBR genes from various species. The alignment shows conservation of amino acids across the protein sequence. A color key indicates conservation: black (highly conserved), blue, green, red, purple, yellow, magenta, cyan, and orange (least conserved).

**Top Panel (Residues 1-200):**

- 21492593.v:** FVN.....
- 15150582.v:** FVN.....
- 18640226.v:** IYFM.....
- 9633952.v:** CTMQADELMETDV
- 9633782.v:** CVMQADELLETDV
- 34851764.m:** YVKVDENGKIGRLR
- 38089459.m:** MLKL.h
- 9634873.v:** SNTIKRNRLK
- 40556212.v:** INI
- lias\_TGFB:** QEGIKRM

**Middle Panel (Residues 210-390):**

- 21492593.v:** VYQSITSVVILKENDONYHKCIFNNKEGLVTEPKKSHTSHKILIDIN-NETIKNLRRID-SNNILKLYIAYTIDMCQDGLPSLVLVYCRGKLNKVNTRERDTWTKLDMALDSVLYNIVVKYTNN-KPYCISSSVFLVBEENYKVKKIIICHGKEKILS-NPPFKNNAIVYOSHKLMSNVNFNERED
- 15150582.v:** IYQSITSVVILKENDONYHKCIFNNKEGLVTEPKKSHTSHKILIDIN-NETIKNLRRID-SNNILKLYIAYTIDMCQDGLPSLVLVYCRGKLNKVNTRERDTWTKLDMALDSVLYNIVVKYTNN-KPYCISSSVFLVBEENYKVKKIIICHGKEKILA-NPPFKNNAIVYOSHKLMSNVNFNERED
- 18640226.v:** INND-NMPLKNEQLTYRKCFEFLNKDWLILKPFKKFHIGHKVLLDIE-NEIKNLRRID-SNNILKLYIAYTIDMCQDGLPSLVLVYCRGKLNKVNTRERDTWTKLDMALDSVLYNIVVKYTNN-KPYCISSSVFLVBEENYKVKKIIICHGKEKILM-SPSPKDINTSVPKPLNNIFSKYHED
- 9633952.v:** LDIDKYTFDILIKESDQCFUHKCIFNNKTVVIRTEPKKSHTSHKILIDIN-NETIKNLRRID-SNNILKLYIAYTIDMCQDGLPSLVLVYCRGKLNKVNTRERDTWTKLDMALDSVLYNIVVKYTNN-KPYCISSSVFLVBEENYKVKKIIICHGKEKILM-SPSPKDINTSVPKPLNNIFSKYHED
- 9633782.v:** LDIDRYAFDILIKESDQCFUHKCIFNNKTVVIRTEPKKSHTSHKILIDIN-NETIKNLRRID-SNNILKLYIAYTIDMCQDGLPSLVLVYCRGKLNKVNTRERDTWTKLDMALDSVLYNIVVKYTNN-KPYCISSSVFLVBEENYKVKKIIICHGKEKILM-SPSPKDINTSVPKPLNNIFSKYHED
- 34851764.m:** DL-GYPWIKLQKFLNKFLSTIYRQEYIYKSFVTTIKVNNPKAESVGIVRL-FNDEIKMKEFD-SPNILRIFCICIDTQVKPPEFIVSIVMEYCELDGLRELLDKDITMSVSLVLRARLYHSGT-LHNISSSSSFLVAGQYQVILAGFBSKTQTSISRATKSTKAERESSTAYVSPEFPERLOPFCYDVK
- 38089459.m:** HL-GPPWTIKLQKSMSTIYRQEYIYKSFVTTIKVNNPKAESVGIVRL-FNDEIKMKEFD-SPNILRIFCICIDTQVKPPEFIVSIVMEYCELDGLRELLDKDITMSVSLVLRARLYHSGT-LHNISSSSSFLVAGQYQVILAGFBSKTQTSISRATKSTKAERESSTAYVSPEFPERLOPFCYDVK
- MLKL.h:** QLSGSPPWHLRERNEVSTLYRQEYIYKSFVTTIKVNNPKAESVGIVRL-FNDEIKMKEFD-SPNILRIFCICIDTQVKPPEFIVSIVMEYCELDGLRELLDKDITMSVSLVLRARLYHSGT-LHNISSSSSFLVAGQYQVILAGFBSKTQTSISRATKSTKAERESSTAYVSPEFPERLOPFCYDVK
- 9634873.v:** YVDIDIEKPLIVYSCDSYRLYVADNNPVSLKCFTCPKNSKIR-DFIQLDLRQLSSSYRVIKLYVILLIS-SPVLCISLVVNNYL-TLRLNDENDIDYAKRTRITDACKINHMTSYSTP-IDFKNLTSEFSYMINVNLKIGSGAYYNIK-RWVFMAYFDYDMLKIFSNTYH
- 40556212.v:** VKDIEIDYVSYVYDCYIYSTICKYGGES-STIKLGHD-KNDIK-KIIIKEINNLRCFKVAPNVRILYVWPDY-IVVEPCL-TEREMLDNKNLSTYVKAISLMDVAK-HEALHHTKDGTG-IDHONLTSEFSYMINVNLKIGSGYRKP-SN-KVNFMAYFDYDMLKIFSNTYH
- lias\_TGFB:** ARTIVLQESTIIGRGRGEVW-RKVRQEEAVKHFSSREERSWFR-EABIIYQTVMLR-HENLGFIADDKDNGTWQIQLNLVSDYBHDHGSEDFDMLR-YTVAEVMGKMLALSTASLALHMEIVGTQCKPAIAHED-PSKSNILVKKNGCTCHADLGJAVRHSATDTIDIAPIHNR-VGTKEYMAPEVLDLDSINKHBE

**Bottom Panel (Residues 400-590):**

- 21492593.v:** DDIVSFG-VVL-EIKSGK-IPFKNLTD-TKEIYDLIINKNGDLKDP-ETPH-LIKYIWERGTSETHS-KRSEIKEILYN-FSLYK
- 15150582.v:** DDMYSFG-VVL-EIKSGK-IPFKNLTD-TKEIYDLIINKNGDLKDP-ETPH-LIKYIWERGTSETHS-KRSEIKEILYN-FSLYK
- 18640226.v:** DDVYSLC-VVL-EIKTGC-IPFKNLTD-TKEIYDLIINKNGDLKDP-ETPH-LIKYIWERGTSETHS-KRSEIKEILYN-LSMYK
- 9633952.v:** DDVYSLC-VVL-EIKTGC-IPFKNLTD-TKEIYDLIINKNGDLKDP-ETPH-LIKYIWERGTSETHS-KRSEIKEILYN-LSMYK
- 9633782.v:** DDVYSLC-VVL-EIKTGC-IPFKNLTD-TKEIYDLIINKNGDLKDP-ETPH-LIKYIWERGTSETHS-KRSEIKEILYN-LSMYK
- 34851764.m:** AEIVSFG-IVL-EIKTGC-IPFKNLTD-TKEIYDLIINKNGDLKDP-ETPH-LIKYIWERGTSETHS-KRSEIKEILYN-VKBCCK-CVIL
- 38089459.m:** AEIVRYVFPVQIIL-VSRPQSQRANPSSEDHLNSTEQGQELRSVVKLPDVCD-SEKIVELVAENKKDEPPVQ-ODCPCELLEBIINNECRAEPSEPNRPSADGRILS-QDCPCELLEBIINNECRAEPSEPNRPSADGRILS
- MLKL.h:** SEIYSGC-VVL-EIKTGC-IPFKNLTD-TKEIYDLIINKNGDLKDP-ETPH-LIKYIWERGTSETHS-KRSEIKEILYN-QDCPCELLEBIINNECRAEPSEPNRPSADGRILS
- 9634873.v:** SEIYSGC-VVL-EIKTGC-IPFKNLTD-TKEIYDLIINKNGDLKDP-ETPH-LIKYIWERGTSETHS-KRSEIKEILYN-QDCPCELLEBIINNECRAEPSEPNRPSADGRILS
- 40556212.v:** SEIYSLC-VVL-EIKTGC-IPFKNLTD-YTSIYMLIKDNVSEPLI-EDCPSELEIIDECAEADPSPVREPSVD-EIKL-EDCPSELEIIDECAEADPSPVREPSVD-EIKL
- lias\_TGFB:** SFKRDPIYAMC-LVF-BIARRCSIGG-IHEDYOLPYMLDVPSPDSVSEYRKVVCEQKLRFNIPNRQSCEARWMAKIMRE-WYANGAARI-ALRIFTKTT-SQSLQ